

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-11. (cancelled)

12. (withdrawn) A two-stroke cycle engine, comprising:

a scavenger passage which connects a scavenging port on the side of the cylinder to the crank chamber inside the crankcase, and goes through the mounting surface where the cylinder and crankcase are attached to each other; and

a removable guide with a surface forming a curved smooth channel which is attachable to said scavenger passage in the crankcase from the mounting surface, and forms a portion of said scavenger passage with the curved channel.

13. (withdrawn) A two-stroke cycle engine according to claim 12, wherein said removable guide comprises a positioning tooth which engages with the hole in the gasket for the mounting surface where the cylinder and crankcase are attached to each other.

14. (withdrawn) A two-stroke cycle engine according to claim 12, wherein said removable guide is fixed to the crankcase when a tooth engages in an indentation in the crankcase.

15. (withdrawn) A two-stroke cycle engine according to claim 12, wherein said removable guide has a depression in the mounting surface where the cylinder and crankcase are attached to each other.

16. (withdrawn) A two-stroke cycle engine according to claim 12, wherein said removable guide is painted on.

17-18. (cancelled)

19. (withdrawn) A two-stroke cycle engine according to claim 17, wherein said blow-up angle α varies in step fashion from a location nearer intake port (α_2) to said blow-up angle nearer exhaust port (α_1).

20-27. (cancelled)

28. (currently amended) A two-stroke cycle engine, comprising:
a cylinder having a scavenging port and a scavenging passage communicating with the scavenging port; and

a crankcase including front and rear portions that are separated by a plane, which is at a right angle to a crankshaft and contains an axis of the cylinder, wherein the front and rear portions are attached to each other by fasteners, ~~wherein each of the front and rear portions includes a recess on an outer area of the said portion near the axis of the crankshaft, wherein a~~

crankcase scavenging passage is formed inside a wall in each of the front and rear crankcase portions symmetrically with respect to said crankcase separating plane, wherein a crankshaft bearing part in each front and rear portion is formed within a diameter of the cylinder such that said front and rear portion scavenging passages are formed above the crankshaft bearing part and lateral to the extended line of the diameter of the bearing part, wherein the scavenging passage has a top opening at a cylinder mounting surface and an outlet at the side of the crankcase with a microscopic gap between the opening and the end surface of the crank webs, wherein the scavenging passages of each of the front and rear portions are arranged to provide ~~includes a scavenging passage which provides~~ fluid communication between the scavenging passage of the cylinder and a crank chamber of the crankcase so as to allow a fuel-air mixture to flow from the crank chamber to the scavenging port, and wherein the cylinder is attached by fasteners to a mounting surface on the crankcase.

29. (currently amended) A two-stroke cycle engine according to claim 28, further comprising ~~an air passage~~ an air supply chamber which intersects the plane and supplies air from an air cleaner to the scavenging passage of the cylinder, and ~~wherein the air passage is connected to middle portions of the scavenging passage of the cylinder~~ wherein a downstream side of said air supply chamber is connected to two branching air passages which are symmetric with respect to said crankcase separating plane and wherein each of said branching

air passages is connected to middle portions of the scavenging passage of the cylinder.

30. (previously presented) A two-stroke cycle engine according to claim 28, wherein the cylinder includes a second scavenging port and a second scavenging passage communicating with the second scavenging port, wherein the two scavenging passages of the crankcase are connected to the two scavenging passages of the cylinder, respectively, to provide fluid communication between the scavenging ports of the cylinder and the crank chamber of the crankcase so as to allow a fuel-air mixture to flow from the crank chamber to the scavenging ports, and wherein the scavenging passages of each of the cylinder and crankcase are arranged symmetrically along a front-to-rear plane of the engine.

31. (currently amended) A two-stroke cycle engine comprising:
a cylinder including a scavenging port on its side;
a crankcase including front and rear portions that are separated by a plane at a right angle to the crankshaft, which plane contains an axis of the cylinder, wherein the front and rear portions are fixed to each other at the plane by fasteners to form an integral crankcase, ~~wherein each of front and rear portions has a recess on its outer area near the axis of the crankshaft,~~ wherein a crankcase scavenging passage is formed inside a wall in each of the front and rear crankcase portions symmetrically with respect to said crankcase separating plane, wherein a crankshaft bearing part in each front and rear portion is formed

within a diameter of the cylinder such that said front and rear portion
scavenging passages are formed above the crankshaft bearing part and lateral to
the extended line of the diameter of the bearing part, wherein the scavenging
passage has a top opening at a cylinder mounting surface and an outlet at the
side of the crankcase with a microscopic gap between the opening and the end
surface of the crank webs, and wherein the cylinder is attached by fasteners to a
mounting surface of the crankcase; and

the scavenging passages of each of the front and rear portions are
arranged to connect ~~a scavenging passage which connects~~ the crankcase with the
scavenging port to supply a fuel-air mixture from the crankcase to the
scavenging port, wherein said scavenging passages run ~~passage runs~~ through the
crankcase ~~to and~~ the cylinder.